# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

## SECTION- IX

## VOLUME-II

## Bill of Quantities (BOQ)

| PART-I SUPPLY PORTION | | | | |
|---|---|---|---|---|
| **SL No** | **Particulars** | **Unit** | **Total Qty** | **Material code** |
| **1** | Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only) | No | **33** | 200006 |
| **2** | Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI | set | **138** | CDS materials for General works |
| **3** | Supply & Providing of 45KN Composite polymer insulators. | No | **60** | 283320 |
| **4** | Supply & Providing of 11kV Composite Polymer pins insulators.( 24mm dia FRP rod) | No | **123** | 283008 |
| **5** | Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI | set | **49** | CDS materials for General works |
| **6** | Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification | Km | **7.66325** | 284108 |
| **7** | Supply & Providing of Spiral Earth Electrode | No | **33** | 281683 |
| **8** | Supply & providing of 11kV class 200 AMPS Single Break GOS | Set | **9** | 304212 |
| **9** | Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17 | No | **9** | 613050 |
| **10** | Supply & Fixing of Anticlimbing Device<br>GI Barbed Wire (12 mtrs/1kg)Lumpsum | Kg | **18** | 278911 |
| **11** | Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories) | No | **27** | 281674+600095+ 607054, CDS 60 |
| **12** | Supply & providing of GI wire 8SWG | kg | **45** | 281008 |
| **13** | Supply & providing of Guy wire 7/10SWG | kg | **90** | 281110 |
| **14** | Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No) | Set | **9** | 303202, CDS 60 |
| **15** | Supply & providing of LT Protection kit | No | **9** | 301107 |
| **16** | Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no) | Set | **9** | 302122 |
| **17** | supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs | Coil | **9** | 821900 |
| **18** | Supply & Erection of 9M PSCC pole WL 300Kg | No | **9** | 200005 |
| **19** | Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA<br>on 9 mtr PSCC Poles of 300kG WL --GI with H-frame | Set | **9** | 280119, CDS materials for General works |
| **20** | Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated | No | **9** | 321437 |
| **21** | Supply & providing of LT wiring (from 25 KVA DTC to LT line) | | | |

| | | | | |
|---|---|---|---|---|
| | Aluminium lead wire 50 sqmm | Mtr | **225** | 289031 |
| | Heavy duty long barrel copper lugs- 50 sqmm | No | **90** | 288531 |
| | P.G Clamps - Rabbit to 50 sq.mm | No | **36** | 285508, CDS 63 |
| | Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised) | No | **18** | 280800+280511, CDS 63 |
| | Spacers for DTC wiring | No | **72** | 284503 |
| **22** | PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole) | No | **14** | 200004 |
| **23** | LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI | Set | **18** | 280014, CDS materials for General works |
| **24** | 1.1 kV Pin Insulator with GI Pin | No | **44** | 283053, CDS 5 |
| **25** | No. 8 Strain Insulator | No | **32** | 283158 |
| **26** | Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI | Set | **7** | CDS materials for General works |

| **PART-II ERECTION PORTION** | | | |
|---|---|---|---|
| **SL No** | **Particulars** | **Unit** | **Total Qty** |
| | | | |
| **2** | Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI | set | **138** |
| **3** | Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI | set | **49** |
| **4** | Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification | Km | **7.66325** |
| **5** | Supply & Providing of Spiral Earth Electrode | No | **33** |
| **6** | Supply & providing of 11kV class 200 AMPS Single Break GOS | Set | **9** |
| **7** | Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17 | No | **9** |
| **8** | Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum | Kg | **18** |

| | | | |
|---|---|---|---|
| **9** | Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories) | No | **27** |
| **10** | Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No) | Set | **9** |
| **11** | Supply & providing of LT Protection kit | No | **9** |
| **12** | Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no) | Set | **9** |
| **13** | Supply & Erection of 9M PSCC pole WL 300Kg | No | **9** |
| **14** | Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA<br>on 9 mtr PSCC Poles of 300kG WL --GI with H-frame | Set | **9** |
| **15** | Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated | No | **9** |
| **16** | Supply & providing of LT wiring (from 25 KVA DTC to LT line) | | **9** |
| | Aluminium lead wire 50 sqmm | Mtr | **225** |
| | Heavy duty long barrel copper lugs- 50 sqmm | No | **90** |
| | P.G Clamps - Rabbit to 50 sq.mm | No | **36** |
| | Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised) | No | **18** |
| | Spacers for DTC wiring | No | **72** |
| **17** | PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole) | No | **14** |
| **18** | LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI | Set | **18** |
| **19** | Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI | Set | **7** |
| **20** | Guy concreting with Boulders, Mud and Sand | No | **7** |